

Weights and Measures

Metric Equivalents

Capacity

1 U.S. fluid ounce = 29,573 milliliters
1 U.S. liquid quart = 0.945 liters
1 U.S. dry quart = 1.101 liters
1 U.S. gallon = 3.785 liters
1 U.S. bushel = 0.3524 hectoliters

Area

1 acre = 0.405 hectares
1 acre = 4047 square meters
1 square foot = 0.093 square meter
1 square kilometer = 1,000,000 square meters
1 square kilometer = 247.1 acres

Weight

1 ounce = 28.35 grams
1 pound = 0.454 kilogram
1 gram = 0.0022 pound
1 kilogram = 2.205 pounds

Rates

1 mile/hour = 1.61 kilometer/hour

Standard Measurements

Volume

1,728 cubic inches = 1 cubic foot
27 cubic feet = 1 cubic yard
1 cubic foot = 0.8 bushels
1 bushel = 1.25 cubic feet

Liquids

2 cups = 1 pint
16 fluid ounces = 1 pint
2 pints = 1 quart
4 quarts = 1 gallon
31.5 gallons = 1 barrel
1 gallon = 231 cubic inches
1 cubic foot = 7.48 gallons
1 teaspoon = 0.17 fluid ounces
3 teaspoons = 1 tablespoon
1 cup = 16 tablespoons

Lengths and Area

4 inches = 1 hand
16 ½ feet = 1 rod
1 mile = 5,280 feet
1 mile = 320 rods
1 acre = 43,560 square feet

Water Measurements

1 cubic foot = 7.48 gallons
1 acre foot = 325,900 gallons
1 cubic foot second (cfs) = 448.8 gallons per minute
1 cfs = 646,272 gallons per day (24 hours)